

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001850

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷ C08L 23/28, 23/22, 27/10; C08C 19/14; C08K 5/54; C08J 3/28.
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷ C08L 23/28, 23/22, 27/10; C08C 19/14; C08K 5/54; C08J 3/28.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Canadian Patent Database, Delphion ("halobutyl", "bromobutyl", "elastomer", "filler", "silica", "thiol", "blocked", "acid", "silane", "modifier")

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No(s). |
|-----------|--|--------------------------|
| X | US 2002/0132904 A1 (LANGSTEIN, G. et al) September 19, 2002 Page 1(par. 0010-0011); page 3(par. 0048-0050); page 4(par. 0051-0070); page 5(par. 0079-0083); claims 1 to 7 | 1 to 4, 6, 7 |
| X | CA 2339056 (BAYER INC.) September 2, 2002 | 1 to 4, 6, 7 |
| Y | Page 1(lines 23-27); page 2(lines 17-30); page 7(lines 1-2); pages 13 to 21; claims 1, 2 and 4 to 8. | 1 to 7 |
| X | CA 2293149 (BAYER INC.) June 24, 2001 | 1 to 4, 6, 7 |
| Y | Page 2(lines 1-7); pages 7 to 19; page 20(lines 11-20); page 21(lines 3-21); claims 1 to 3, 5, 11, 18 and 19. | 1 to 7 |

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :
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 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

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Faxsimile No: 001(819)953-2476

| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
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| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No(s). |
| Y | US 6608125 (CROMPTON CORPORATION) August 19, 2003 Col. 2(line 21) to col.6(line 10); col.12 lines 11-41; col.15(line 17) to col.16(line 30); examples 12 and 13; claims 1 to 15. | 1 to 7 |
| Y | WO99/09036 (OSI SPECIALTIES, INC.) February 25, 1999 (whole document) (cited in the application) | 1 to 7 |
| A,P | CA 2418822 (BAYER INC.) August, 13 2004 (whole document) | 1 to 3, 6, 7 |
| A | EP 1329479 (BAYER INC.) July 23, 2003 Page 1(lines 31-36); claim 1 | 1 to 4, 6, 7 |
| A | CA 2442965 (EXXONMOBIL CHEMICAL PATENTS INC.) April 25, 2002 (whole document) | 1 to 3, 6, 7 |
| A | CA 2201441 (THE GOODYEAR TIRE & RUBBER COMPANY) December 24, 1997 Pages 1(line 29) to 3(line 33); ; claim 1 | 1 to 3, 6, 7 |

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